

SPI Flasher

Bill of Materials

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Reference	Value	Description	Manufacturer	MPN	Mouser #
C1, C4, C5	4u7	X7R, 16 VDC, 10%	Murata	GRM21BR71C475KE51K	81-GRM21BR71C475KE1K
C2, C3, C6, C7	100n	X7R, 100 VDC, 10%	Samsung	CL21B104KCFNNNE	187-CL21B104KCFNNNE
D1	TVSx3	5.5V	Littlefuse	SP0503BAHTG	576-SP0503BAHTG
D2, D3	Yellow	30 mA, 2 V, yellow	Lite-On	LTST-C171KSKT	859-LTST-C171KSKT
J1	USB 2.0 Type-C	16 P, 5 A	GCT	USB4105-GF-A-120	640-USB4105-GF-A-120
J2	PinHeader 1x06 0.1"	straight, 6 mm, 3mm, gold	Wurth	61300611121	710-61300611121
R1, R2	5k1	125 mW, 1%	Yageo	RC0805FR-075K1L	603-RC0805FR-075K1L
R3, R6, R7	1k	125 mW, 1%	Yageo	RC0805FR-071KL	603-RC0805FR-071KL
R4	22k1	125 mW, 1%	Yageo	RC0805FR-0722K1L	603-RC0805FR-0722K1L
R5	47k5	125 mW, 1%	Yageo	RC0805FR-0747K5L	603-RC0805FR-0747K5L
R8	10k	125 mW, 1%	Yageo	RC0805FR-0710KL	603-RC0805FR-0710KL
U1	CP2102N-A02-GQFN20	TX, RX, RTS, CTS	Silicon Labs	CP2102N-A02-GQFN20	634-CP2102NA02GQFN20
U2	ATmega328PB-A	8-bit AVR, 64 KB Flash, 2 KB EEPROM, 4 KB SRAM	Microchip	ATMEGA328PB-AU	556-ATMEGA328PB-AU